

REPLACEMENT SHEET

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Figure 1

REPLACEMENT SHEET

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Ala Gln Ser Val Pro Tyr Gly Val Ser Gln Ile Lys Ala Pro Ala Leu
1 5 10 15
His Ser Gln Gly Tyr Thr Gly Ser Asn Val Lys Val Ala Val Ile Asp
20 25 30
Ser Gly Ile Asp Ser Ser His Pro Asp Leu Lys Val Ala Gly Gly Ala
35 40 45
Ser Met Val Pro Ser Glu Thr Asn Pro Phe Gln Asp Asn Asn Ser His
50 55 60
Gly Thr His Val Ala Gly Thr Val Ala Ala Leu Asn Asn Ser Ile Gly
65 70 75 80
Val Leu Gly Val Ala Pro Ser Ala Ser Leu Tyr Ala Val Lys Val Leu
85 90 95
Gly Ala Asp Gly Ser Gly Gln Tyr Ser Trp Ile Ile Asn Gly Ile Glu
100 105 110
Trp Ala Ile Ala Asn Asn Met Asp Val Ile Asn Met Ser Leu Gly Gly
115 120 125
Pro Ser Gly Ser Ala Ala Leu Lys Ala Ala Val Asp Lys Ala Val Ala
130 135 140
Ser Gly Val Val Val Val Ala Ala Ala Gly Asn Glu Gly Thr Ser Gly
145 150 155 160
Ser Ser Ser Thr Val Gly Tyr Pro Gly Lys Tyr Pro Ser Val Ile Ala
165 170 175
Val Gly Ala Val Asp Ser Ser Asn Gln Arg Ala Ser Phe Ser Ser Val
180 185 190
Gly Pro Glu Leu Asp Val Met Ala Pro Gly Val Ser Ile Gln Ser Thr
195 200 205
Leu Pro Gly Asn Lys Tyr Gly Ala Tyr Asn Gly Thr Ser Met Ala Ser
210 215 220
Pro His Val Ala Gly Ala Ala Ala Leu Ile Leu Ser Lys His Pro Asn
225 230 235 240
Trp Thr Asn Thr Gln Val Arg Ser Ser Leu Glu Asn Thr Thr Thr Lys
245 250 255
Leu Gly Asp Ser Phe Tyr Tyr Gly Lys Gly Leu Ile Asn Val Gln Ala
260 265 270
Ala Ala Gln
275

Figure 2

REPLACEMENT SHEET

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TABLE 1

	S149	S160	S188	S189	S190	S191	S193	S194	S196	S197	S198	S199	S201	S202
Q2K	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S3C	X	X	X	X	X	X	X	X	X	X	X	X	X	X
P5S	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S9A	X	X	X	X	X	X	X	X	X	X	X	X	X	X
I31L	X	X	X	X	X	X	X	X	X	X	X	X	X	X
K43N	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M50F	X	X	X	X	X	X	X	X	X	X	X	X	X	X
A73L	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Δ75-83	X	X	X	X	X	X	X	X	X	X	X	X	X	X
E156S	X	X	X	X	X	X	X	X	X	X	X	X	X	X
G166S	X	X	X	X	X	X	X	X	X	X	X	X	X	X
G169A	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S188P	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Q206C	X	X	X	X	X	X	X	X	X	X	X	X	X	X
N212G	X	X	X	X	X	X	X	X	X	X	X	X	X	X
K217L	X	X	X	X	X	X	X	X	X	X	X	X	X	X
N218S	X	X	X	X	X	X	X	X	X	X	X	X	X	X
T254A	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Q271E	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Y104A		X	X	X	X	X	X	X	X	X	X	X	X	X
G128S		X	X	X	X	X	X	X	X	X	X	X	X	X
L126I														
S166G							X					X	X	X
N155L			X											
D32A				X									X	
D32S					X									
D32V									X			X		
D32T										X				
D32G											X			
N155Q						X								
S221A								X						X

Figure 3

REPLACEMENT SHEET

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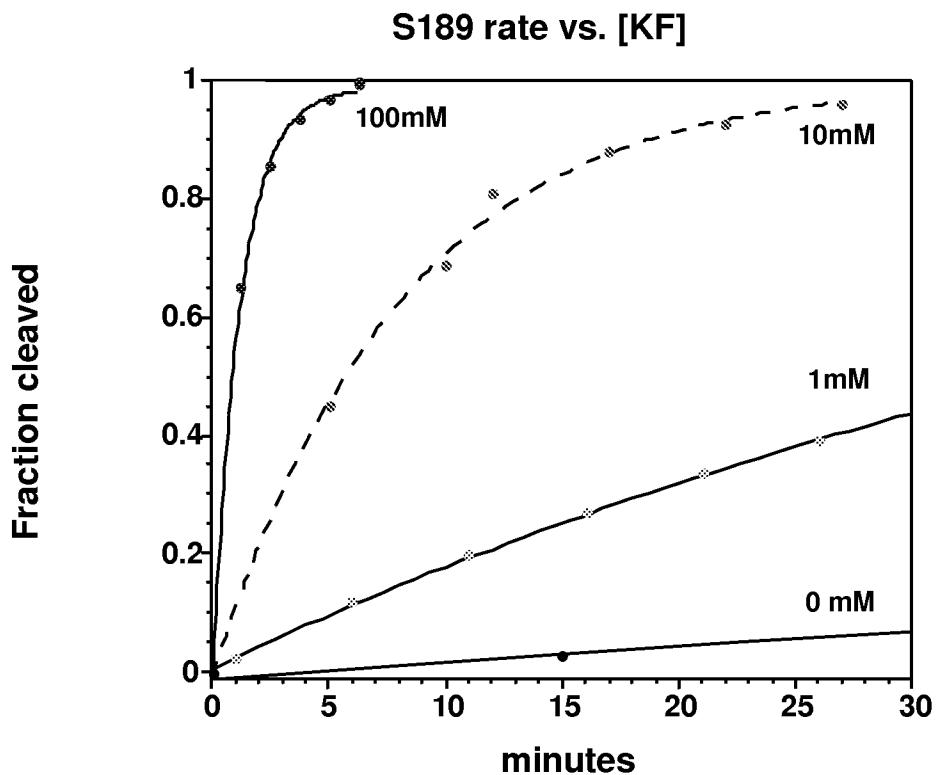


Figure 4

REPLACEMENT SHEET

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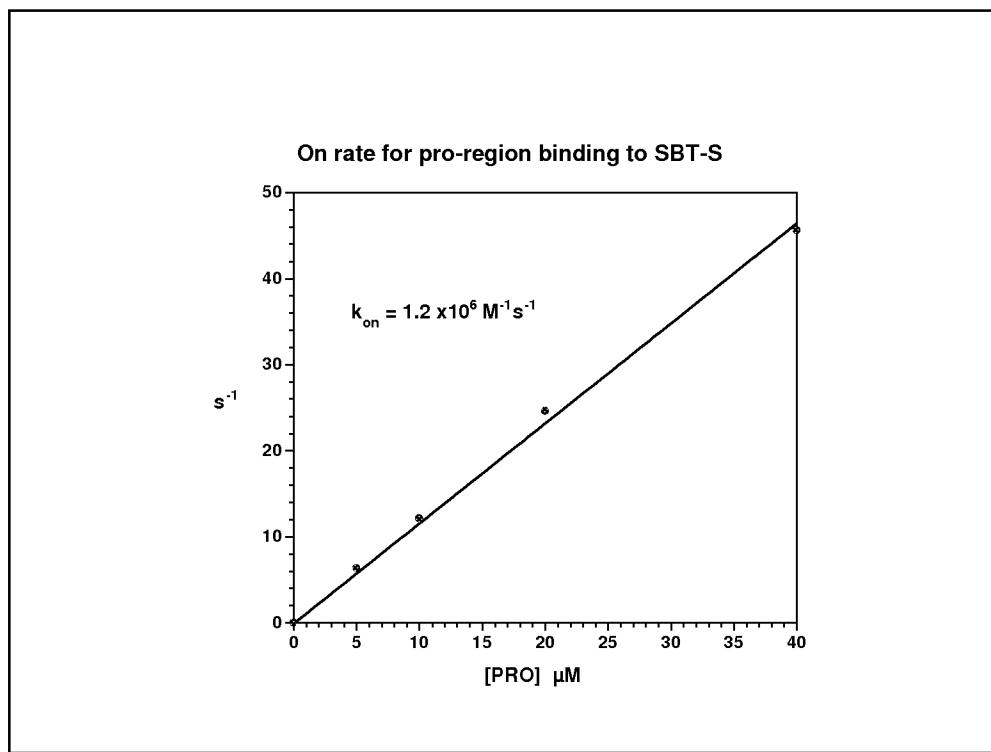


Figure 5

REPLACEMENT SHEET

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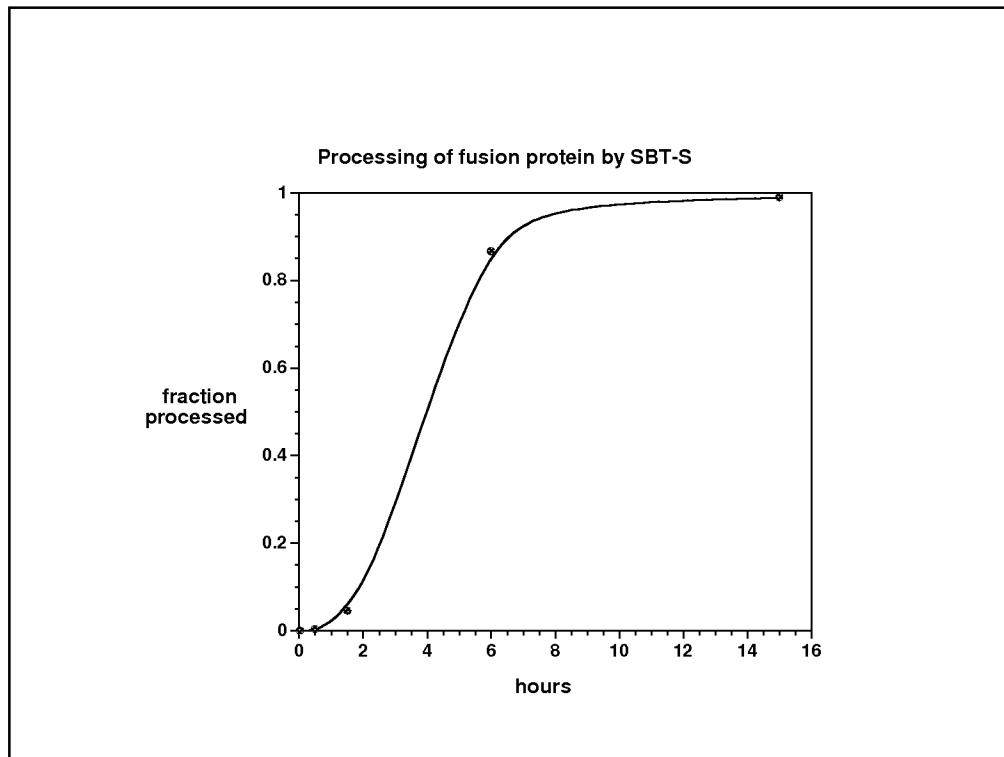


Figure 6

REPLACEMENT SHEET

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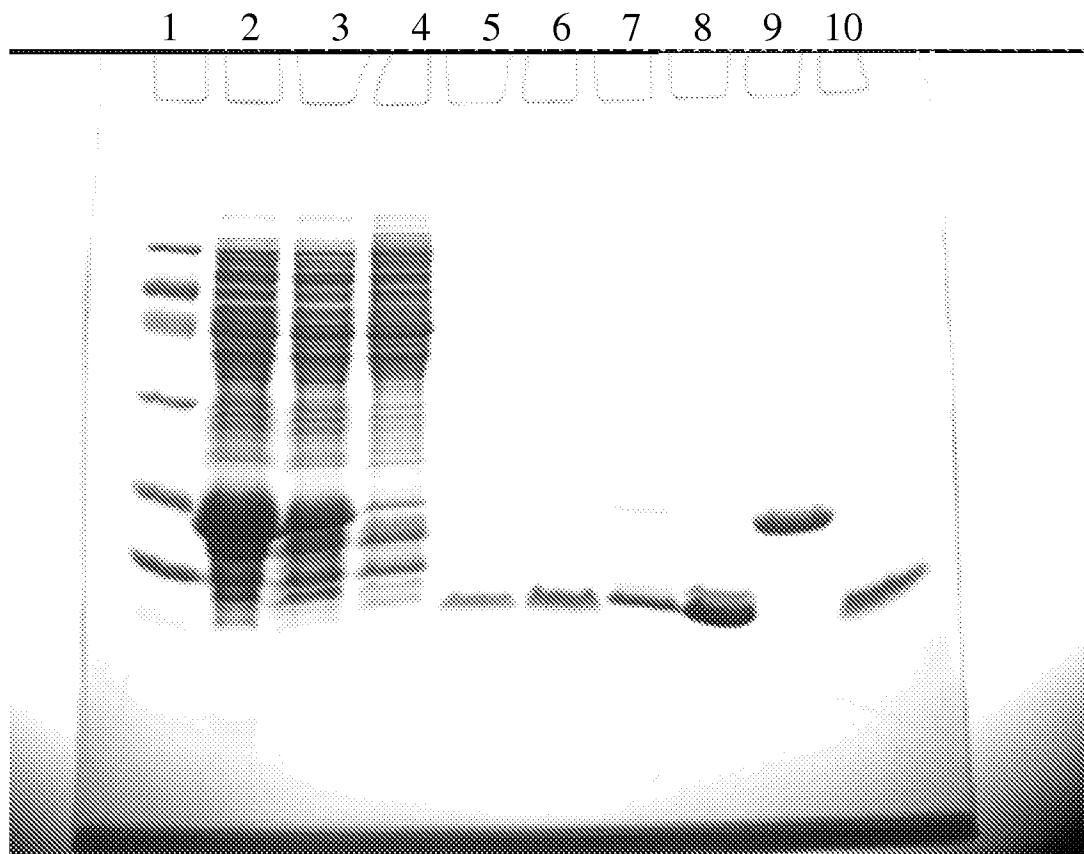


Figure 7

REPLACEMENT SHEET

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Lane 1 2 3 4 5 6 7 8 9 10

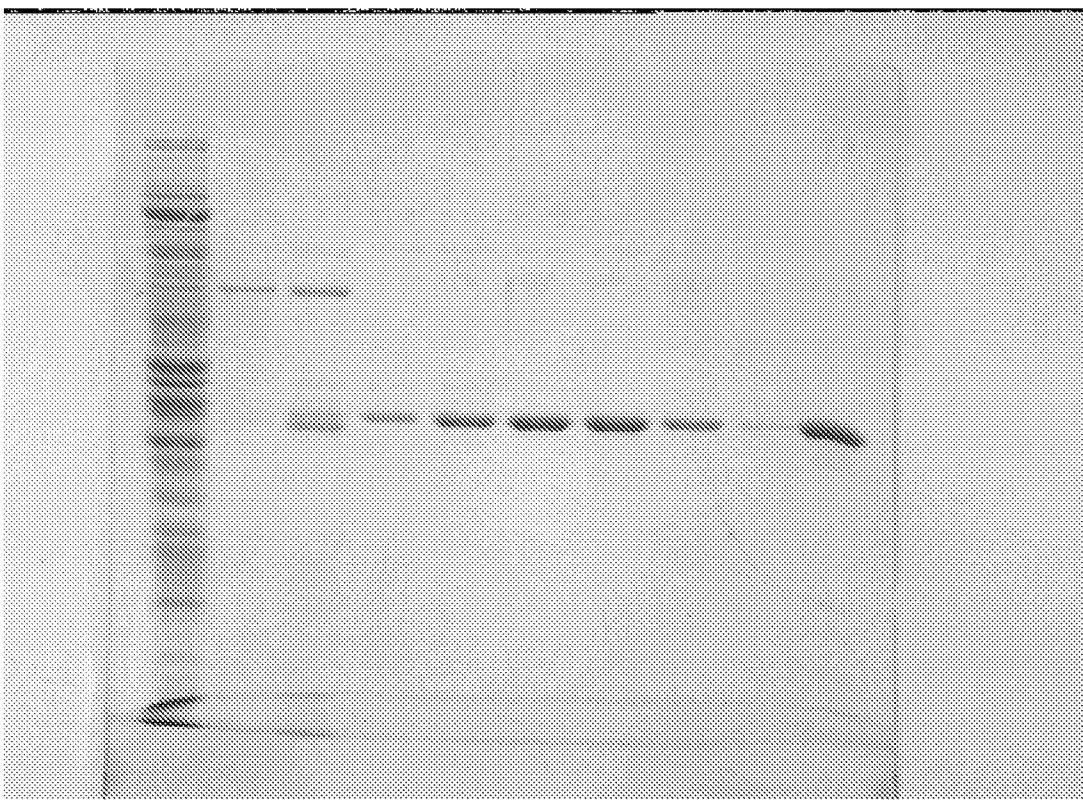
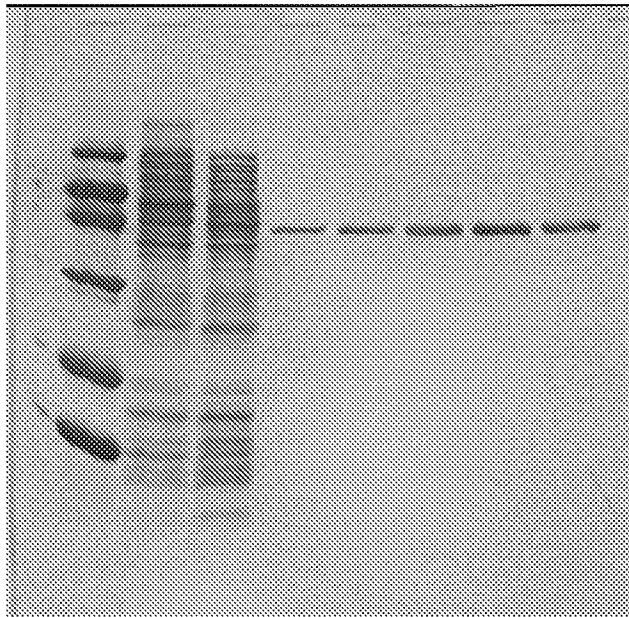


Figure 8

REPLACEMENT SHEET

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CDC6



DNA replication factor
379 aa

Methanothermobacter
thermautotrophicus

Figure 9

REPLACEMENT SHEET

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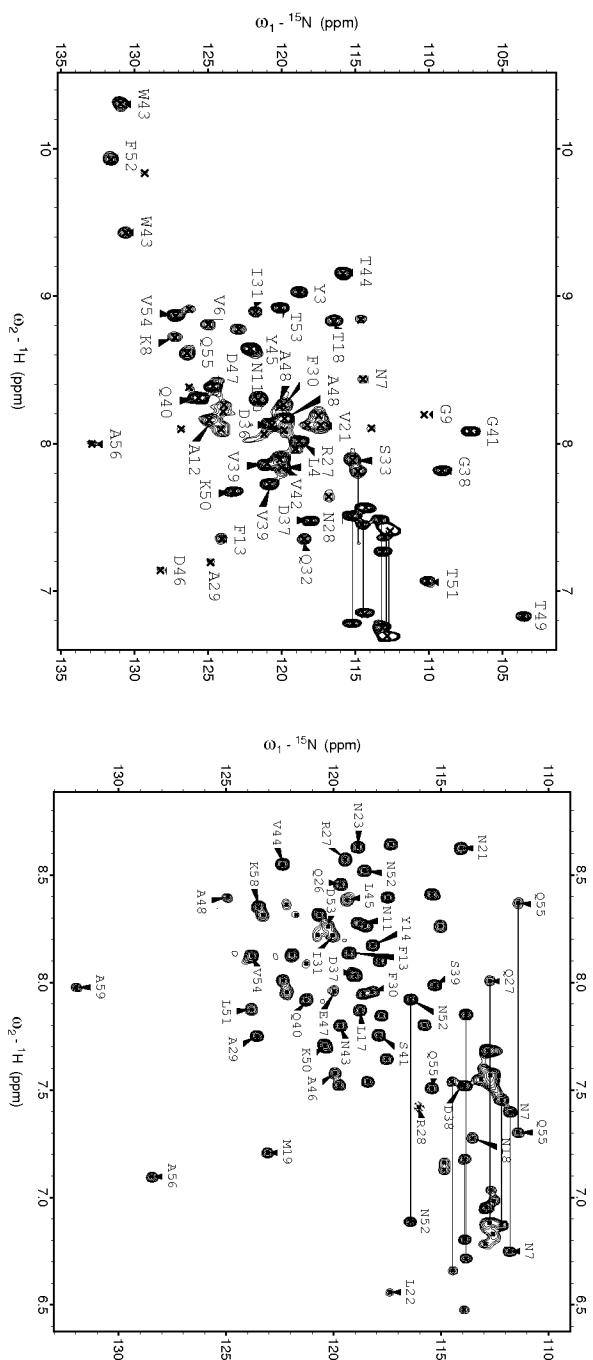


Figure 10 A Figure 10 B

REPLACEMENT SHEET

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Absorbance 0.2 cm path flow cell

Load/wash 671 on S189 HT1 (0.1M KPi)

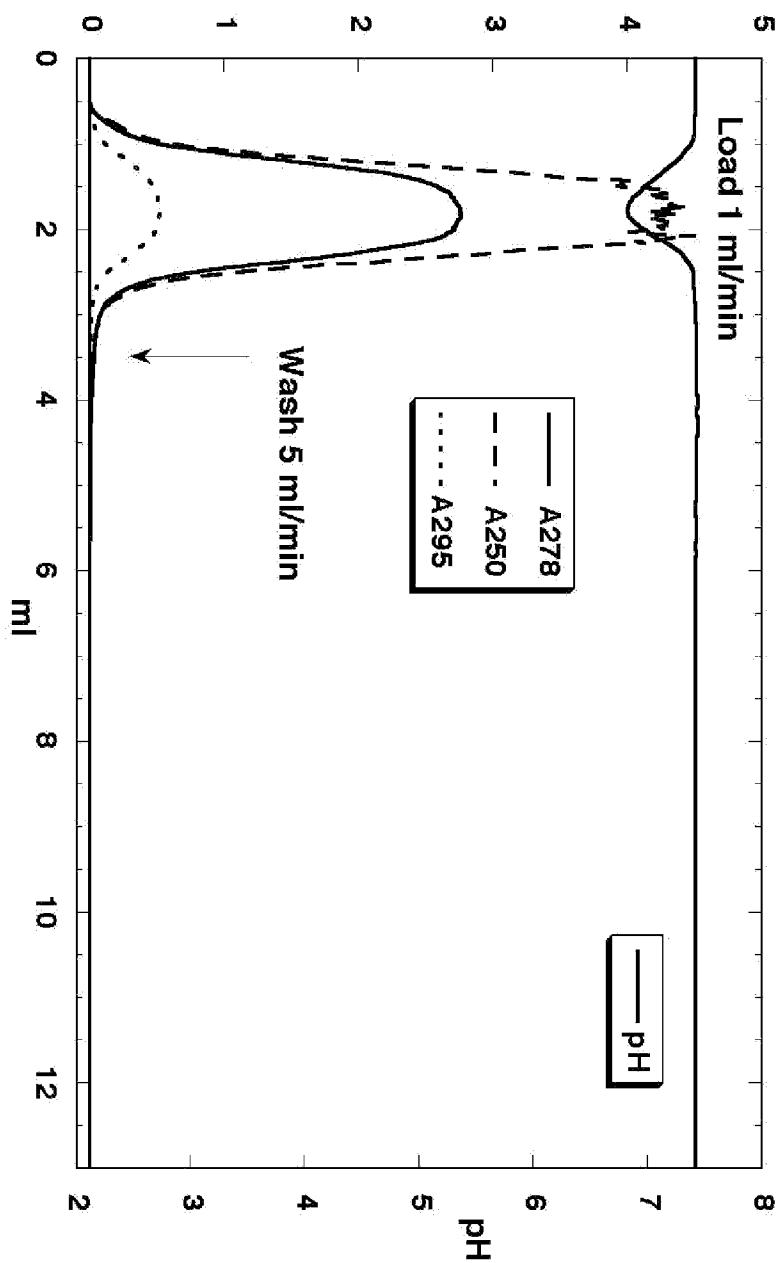


Figure 11

REPLACEMENT SHEET

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Cleave/elute 671 on S189 HT1 (0.1M KPi)

Absorbance 0.2 cm path flow cell

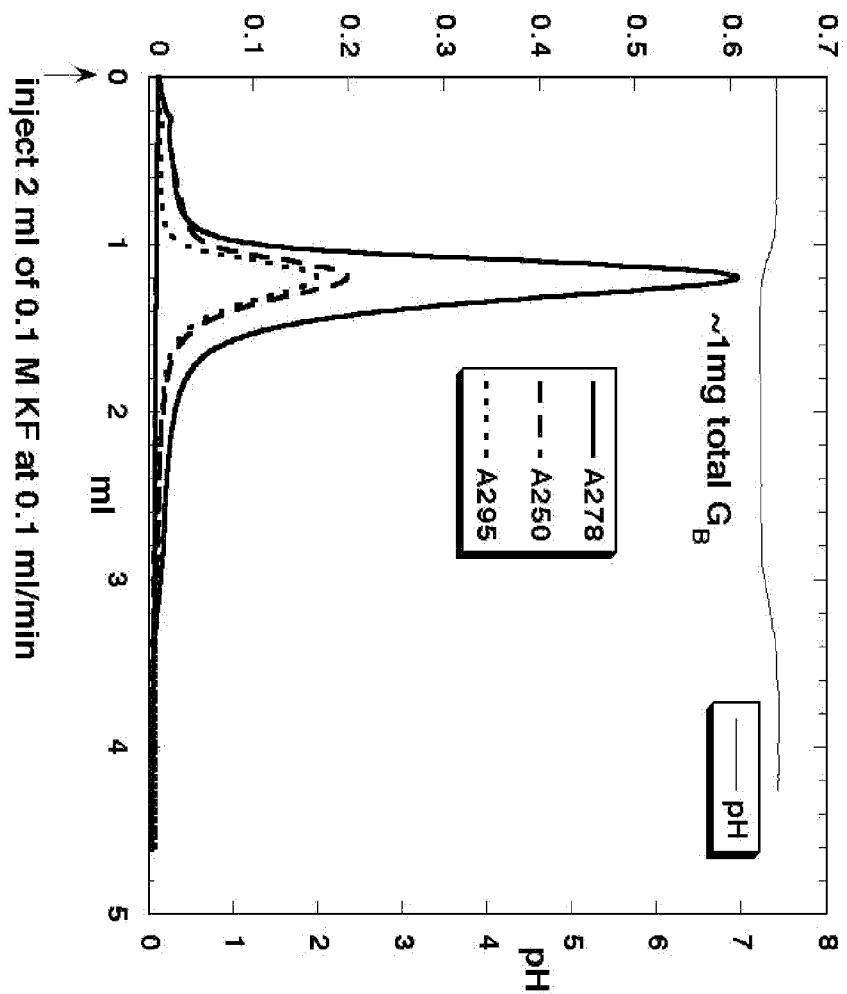


Figure 12

REPLACEMENT SHEET

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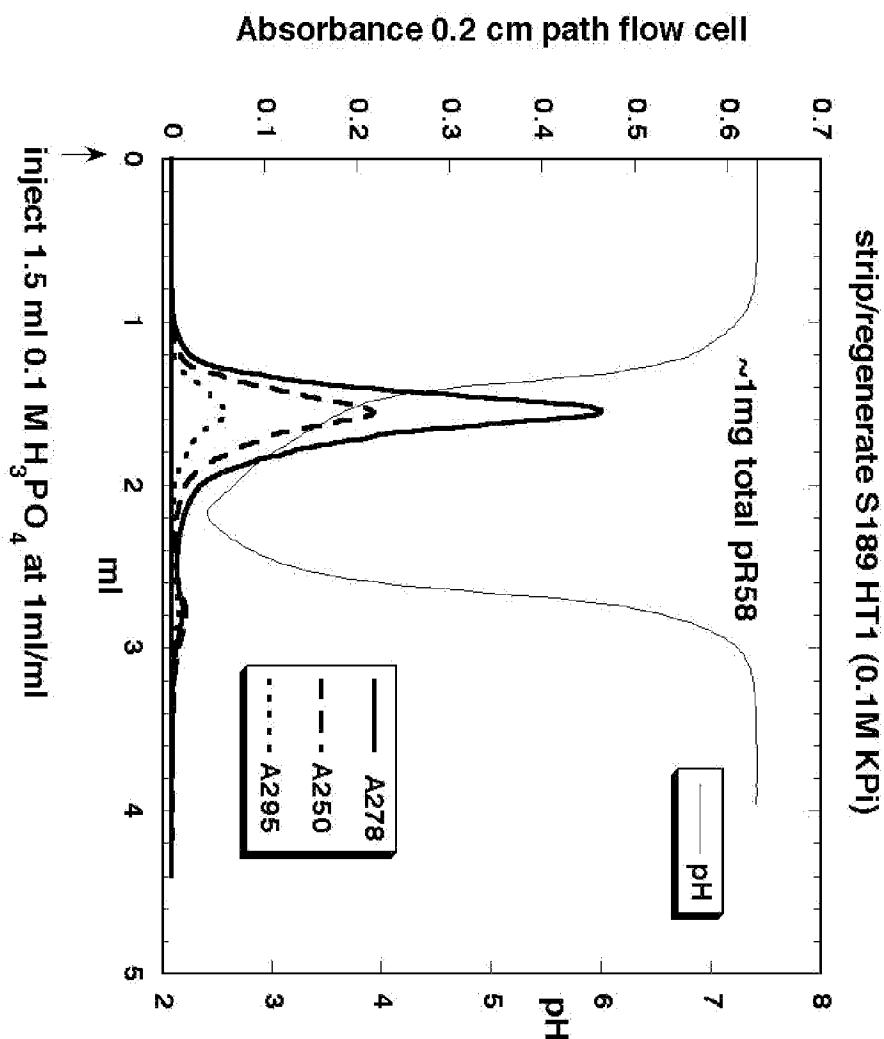


Figure 13

REPLACEMENT SHEET

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Lane 1 2 3 4 5 6 7

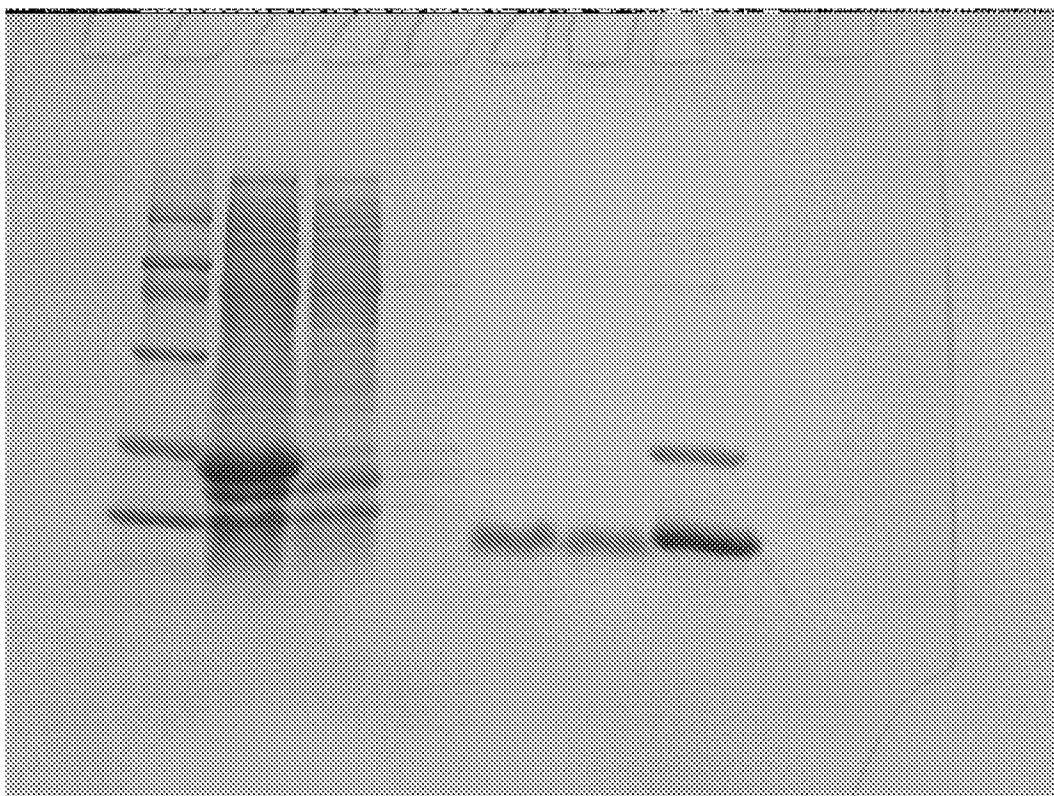


Figure 14